

## **BREATHABLE FILM COVER FOR WINDOW PANES**

### **Abstract**

Breathable multilayer film covers for window panes that reflect light and/or absorb ultraviolet rays. The film cover blocks UV rays and some light, and it reflects solar heat. The breathable film cover has at least two film layers. An outer film is a polymeric transparent film incorporating UV stabilizers. An inner film is a polymeric film that contains internal metal particles and preferably UV stabilizers. An adhesive, preferably also incorporating UV stabilizers, is applied as a layer to the multilayer film so that the breathable film cover can be adhered to window structures. To form a covered window pane, the multilayer film is adhered to a plate.